

AN APPARATUS AND METHOD FOR DETECTING
RADIATION THAT USES A STIMULATE PHOSPHOR

ABSTRACT OF THE DISCLOSURE

Apparatus and method for radiation measurement suitable for use within and outside
nuclear reactor or accelerator facilities when there is a need to perform real-time monitoring of
radiation intensity over a wide dynamic range at many and broadly distributed sites of
measurement. The apparatus and method are based on two principles: constant radiation
monitoring and integrating measured radiation with a stimuable phosphor.